ABSTRACT

METHODS AND DEVICES FOR EVALUATING TRANSMISSION AND
PROCESSING DELAYS OF A SPEECH SIGNAL RECEIVED IN A
5   TERMINAL CONNECTED TO A PACKET-SWITCHED NETWORK

A method of evaluating the processing delay of a
speech signal contained in data packets received in a
receiver terminal equipped with a telephony module during
10   a voice call to a terminal sending the data packets over
a packet-switched network, includes the following steps:
· obtaining (E32) from the received data packets a
stream of audio packets containing the speech signal;
· within a predetermined decoding time, decoding
15   (E34) the stream of audio packets obtained and creating a
first reconstituted speech signal (F1);
· duplicating (E36) at least a portion of the
speech signal reconstituted by the telephony module
constituting a second speech signal (F2);
20   · determining (E39) the delay difference between
the first speech signal (F1) and the second speech signal
(F2); and
· calculating (E40) the processing delay D3 of the
speech signal in the receiver terminal from at least the
25   measured delay difference between said first speech
signal (F1) and said second speech signal (F2) and the
predetermined decoding time.

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